

May 11, 2016



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 14751
(SECOND REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of an organometallic substance, solid, in a non-DOT specification portable tank which is designed in accordance with the requirements for an UN portable tank and portable tank instructions "T21" except it is equipped with a bottom opening. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Maritime Dangerous Goods Code (IMDG Code) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce.
 - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
 - d. This special permit serves as an "exemption" as defined in Section 7.9.1 of the IMDG Code (See IMO MSC/Circ. 1075-Granting Exemptions from the Provisions of the IMDG Code) and as a "Competent Authority Approval" as defined under 49 CFR § 107.1.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180 and the IMDG Code.

May 11, 2016

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.244 in that a non-DOT specification portable tank is not authorized and Portable Tank Instruction T21 of Section 4.2.5.2.6 in the IMDG Code in that a bottom outlet opening is not authorized, except as provided herein.
5. BASIS: This special permit is based on the application of Univation Technologies, LLC dated January 4, 2016 submitted in accordance with § 107.105 and the public proceeding thereon.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Organometallic substance, solid, pyrophoric, water-reactive (aluminum alkyls)	4.2	UN3393	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packaging prescribed is a non-DOT specification portable tank which is designed in accordance with the requirements for an UN portable tank and portable tank instructions "T21" except it is equipped with a bottom opening. The portable tank conforms to the configuration and typical dimensions shown on the Silvan Industries Inc. drawings 134-765, 134-365 Rev C, 135-799 and 136-584 Rev E on file with the Office of Hazardous Materials Safety Approvals and Permits Division. Additionally, the portable tank must be designed, manufactured and ASME Code "U" stamped with the following characteristics:

- (1) Minimum wall thickness: 10.0 mm.
- (2) Maximum allowable working pressure (MAWP) range: 110 to 250 psig.
- (3) Maximum capacity: 592 gallons (2241 liters).
- (4) Tare mass: 3800 lbs or (maximum).

May 11, 2016

(5) Spring loaded pressure relief valve (PRV) setting:
Set at MAWP.

(6) Maximum loading or discharge pressure: 35 psig
less than the PRV setting.

(7) Shape: cone-shaped funnel bottom with ball valve.

b. TESTING - Each portable tank must be tested, retested, and inspected as specified in § 180.600 (Subpart G) for UN portable tanks.

c. OPERATIONAL CONTROLS -

(1) The 1 inch bottom ball valve must be plugged and protected from side impact during transportation.

(2) Drawing No. 136-584 Rev E is designed with a pressure safety valve in lieu of the 1 inch NPT ball valve and plug.

(3) A dry nitrogen blanket of 22 psig must be provided for transportation of pyrophoric solid material.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit, and the HMR and the IMDG Code.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. Each portable tank must be plainly and durably marked "DOT-SP 14751" as specified in §§ 172.302(b) and (c). Portable tanks marked with the approval number CA2010030011 may continue to be marked with the approval number provided they conform to the terms of this special permit.

May 11, 2016

d. New construction of a non-DOT specification portable tank which is designed in accordance with the requirements for an UN portable tank and portable tank instructions "T21" as described in paragraph 7 above is prohibited.

e. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, and destination.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel and rail freight.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this special permit.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
 - o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

May 11, 2016

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR ' ' 171.15 Immediate notice of certain hazardous materials incidents, and 171.16 B Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: L Majors/NICKS